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Activities	# Docs	Source	Client ID	Date
6,194,610 or 6194610	2	News, All (English, Full Text)		12/15/2004 09:00:50
6,194,610 or 6194610	0	Patent, Trademark & Copyright Periodicals, Combined		12/15/2004 09:00:14
6,194,610 or 6194610	0	Patent Cases from Federal Courts and Administrative Materials		12/15/2004 08:59:49
patno=6194610	1	Utility, Design and Plant Patents		12/15/2004 08:56:32
6,340,473 or 6340473	0	News, All (English, Full Text)		12/09/2004 08:40:26
6,340,473 or 6340473	0	Patent, Trademark & Copyright Periodicals, Combined		12/09/2004 08:39:53
6,340,473 or 6340473	0	Patent Cases from Federal Courts and Administrative Materials		12/09/2004 08:39:27
6,340,473 or 6340473	0	Patent Cases from Federal Courts and Administrative Materials		12/09/2004 08:39:07
patno=6340473	1	Utility, Design and Plant Patents		12/09/2004 08:35:10
5,800,837 or 5800837	2	News, All (English, Full Text)		11/24/2004 15:00:51
5,800,837 or 5800837	0	Patent, Trademark & Copyright Periodicals, Combined		11/24/2004 15:00:09
5,800,837 or 5800837	0	Patent Cases from Federal Courts and Administrative Materials		11/24/2004 14:59:42
patno=5800837	2	Utility, Design and Plant Patents		11/24/2004 14:54:15
6,573,099 or 6573099	62	News, All (English, Full Text)		11/17/2004 08:53:35
6,573,099 or 6573099	0	Patent, Trademark & Copyright Periodicals, Combined		11/17/2004 08:52:59
6,573,099 or 6573099	0	Patent Cases from Federal Courts and Administrative Materials		11/17/2004 08:52:29
patno=6573099	1	Utility, Design and Plant Patents		11/17/2004 08:47:27

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility, Design and Plant Patents](#) 
Terms: **patno=6194610** ([Edit Search](#))

230553 (09) 6194610 February 27, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6194610

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February 27, 2001

Process for the selective preparation of acetic acid using a molybdenum and palladium based catalytic oxide

APPL-NO: 230553 (09)


FILED-DATE: January 28, 1999

GRANTED-DATE: February 27, 2001

ASSIGNEE-AT-ISSUE: Aventis Research & Technologies GmbH & Co. KG, Frankfurt am Main, Germany (DE), 03

ASSIGNEE-AFTER-ISSUE: January 28, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO KG D-65926 FRANKFURT-AM-MAIN GERMAN Y, Reel and Frame Number: 009905/0082
March 6, 2000 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO. KG D-65926 FRANKFURT AM MAIN GERMA NY, Reel and Frame Number: 010658/0945
March 6, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CELANESE GMBH LURGIALLE 14 D- 60439 FRANKFURT AM MAIN GERMANY, Reel and Frame Number: 010658/0961
January 5, 2001 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., CELANESE CHEMICALS EUROPE GMBH POSTFACH 13 01 60 WERK RUHRCHEMIE 46128 OBERHAUSEN GERMANY, Reel and Frame Number: 011751/0712

CORE TERMS: catalyst, acetic acid, ethane, oxygen, ethylene, selectivity, mixture, composition, palladium, gas ...

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility, Design and Plant Patents](#) 
Terms: **patno=6194610** ([Edit Search](#))
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Oh 6,194,610

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Print Request: Current Document: 1

Time of Request: December 15, 2004 08:57 AM EST

Number of Lines: 32

Job Number: 1821:24087711

Client ID/Project Name:

Research Information:

Utility, Design and Plant Patents
patno=6194610

Send to: ARNOLD, DEIRDRE
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ALEXANDRIA, VA 22314

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6194610

[Link to Claims Section](#)

February 27, 2001

Process for the selective preparation of acetic acid using a molybdenum and palladium
based catalytic oxide

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ASSIGNEE-AFTER-ISSUE: January 28, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO KG D-65926 FRANKFURT-AM-MAIN GERMAN Y, Reel and Frame Number: 009905/0082

March 6, 2000 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO. KG D-65926 FRANKFURT AM MAIN GERMA NY, Reel and Frame Number: 010658/0945

March 6, 2000 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CELANESE GMBH LURGIALLE 14 D- 60439 FRANKFURT AM MAIN GERMANY, Reel and Frame Number: 010658/0961

January 5, 2001 - CHANGE OF NAME (SEE DOCUMENT FOR DETAILS)., CELANESE CHEMICALS EUROPE GMBH POSTFACH 13 01 60 WERK RUHRCHEMIE 46128 OBERHAUSEN GERMANY, Reel and Frame Number: 011751/0712

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***** Print Completed *****

Time of Request: December 15, 2004 08:57 AM EST

Print Number: 1821:24087711

Number of Lines: 32

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AAP Company News January 6, 2003, Monday

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AAP Company News

January 6, 2003, Monday

SECTION: Financial News

LENGTH: 2373 words

HEADLINE: ECU - Supplementary Disclosure Document/Mail o

BODY:

... Section 6).

The difference between the total of property plant and equipment (including capitalised exploration expenditure) in Galilee as between that amount set out in the ProForma Statement of Financial Position in the Prospectus (**\$6,194,610**) and the amount set out in the report of Murdoch Corporate Finance Pty Ltd (\$6,830,000) represents a discount on acquisition, following completion of the acquisition by Eastern of the 51% shareholding interest in ...

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October 9, 1998, Friday

SECTION: Nationwide General News; Finance Wire

LENGTH: 89 words

HEADLINE: NATIONAL TOP TEN BY VOLUME AT CLOSE

BODY:

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WfieldAM 7,618,633 1.56 -0.05

AMP Shop ctg 7,520,378 1.33 0.00

Newcrest 6,640,236 2.64 -0.06

ANZ 6,509,824 9.21 +0.33

Savage 6,448,742 .75 +0.01

News Corp **6,194,610** 8.643 -0.377

Foster's 5,878,465 3.76 +0.047

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Last connection: 15/12/04 15*06*48

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Search statement 1

Query/Command : us6194610/pn

** SS 1: Results 1

Search statement 2

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT

Patent Number :

US6194610 B1 20010227 [US6194610]

Title :

(B1) Process for the selective preparation of acetic acid using a molybdenum and palladium based catalytic oxide

Patent Assignee :

(B1) AVENTIS RES & TECH GMBH & CO (US)

Patent Assignee :

Aventis Research & Technologies GmbH & Company KG, Frankfurt am Main [DE]

Inventor(s) :

(B1) BORCHERT HOLGER (DE); DINGERDISSEN UWE (DE)

Application Nbr :

US23055399 19990128 [1999US-0230553]

Filing Details :

PCT/EP97/03809 19970716 [1997WO-EP03809]

WO98/05619 19980212 [WO9805619]

Priority Details :

DE19630832 19960731 [1996DE-1030832]

WOEP9703809 19970716 [1997WO-EP03809]

Intl Patent Class :

(B1) B01J-021/16 C07C-051/16

EPO ECLA Class :

C07C-051/215 C07C-053:08

C07C-051/25 C07C-053:08

B01J-023/652D

US Patent Class :

ORIGINAL (O) : 562548000; CROSS-REFERENCE (X) : 502209000 502210000

502211000 502212000 502213000 502214000 502215000 502248000

502257000 502305000 502313000 562546000 562547000

Document Type :

Corresponding document

Citations :

US3970697; US3976688; US4298531; US4499301; US5162578; US6043184;

US6060419; US6087297; EP0113156 A1; EP0608838 A3; EP0620205 A1;

GB2040717

Patent Abstracts of Japan, vol. 95, No. 1, Feb. 28, 1995 & JP 06 293695 A, Oct. 21, 1994.

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after jan. 2, 2001

Abstract :

The present invention relates to a process for the selective preparation of acetic acid from a gaseous feed comprising ethane, ethylene or mixtures thereof plus oxygen at elevated temperature, which comprises bringing the gaseous feed into contact with a catalyst comprising the elements Mo, Pd, X and Y in gram atom ratios a:b:c:d in combination with oxygen

Moa Pdb Xc Yd (I)

where the symbols X and Y have the following meanings:

X is one or more elements selected from the group consisting of: Cr, Mn, Nb, Ta, Ti, V, Te and/or W, in particular Nb, V and W;

Y is one or more elements selected from the group consisting of: B, Al, Ga, In, Pt, Zn, Cd, Bi, Ce, Co, Cu, Rh, Ir, Au, Ag, Fe, Ru, Os, K, Rb, Cs, Mg, Ca, Sr, Ba, Zr, Hf, Ni, P, Pb, Sb, Si, Sn, Tl and U, in particular Ca, Sb, Te and Li. The present invention further provides a

catalyst for the selective preparation of acetic acid comprising the elements Mo, Pd, X and Y in the gram atom ratios a:b:c:d in combination with oxygen. The process can be illustrated by the following reaction scheme, (Chemical Structure image '1' not included in text)

Update Code :

2001-14

1 / 1 LGST - ©EPO

Patent Number :

[US6194610 B1 20010227 [US6194610]

Application Number :

US23055399 19990128 [1999US-0230553]

Action Taken :

20000306 US/AS-A

ASSIGNMENT

OWNER: AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO. KG D-65; EFFECTIVE

DATE: 19981104

CHANGE OF NAME;ASSIGNOR:HOECHST RESEARCH & TECHNOLOGY GMBH & CO.

KG;REEL/FRAME:010658/0945

20000306 US/AS-A

ASSIGNMENT

OWNER: CELANESE GMBH LURGIALLE 14 D-60439 FRANKFURT AM MA; EFFECTIVE

DATE: 19990525

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:AVENTIS RESEARCH TECHNOLOGIES

GMBH & CO. KG;REEL/FRAME:010658/0961

20010105 US/AS-A

ASSIGNMENT

OWNER: CELANESE CHEMICALS EUROPE GMBH POSTFACH 13 01 60 W; EFFECTIVE

DATE: 19990104

CHANGE OF NAME;ASSIGNOR:CELANESE GMBH;REEL/FRAME:011751/0712

20020402 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20011206

Update Code :

2004-31

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,194,610 A 20010227 [US6194610]

Patent Assignee :

Aventis Research & Technologies GmbH & Co KG DE

Actions :

20011206 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20020402

REISSUE REQUEST NUMBER: 10/006424

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1623

Reissue Patent Number:

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Litigation involving patent 6,194,610

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